INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/23869

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A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H01L 31/0352, 31/0248; C30B 15/00, 21/06			
US CL : 136/261, 252, 256; 117/931; 423/325			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 136/261, 252, 256; 117/931; 423/325			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where ap		Relevant to claim No.
x	US 20030056715 A1 (TACHIKAWA et al) 27 March 2003 (27.03.2003), page 5 and Table		1-7
Ÿ	2.		8-18
Y	US 5,468,652 A (GEE) 21 November 1995 (21.11.1995), column 2, line 55 through column 3, line 46, and Figure 1.		1-8, 13, 16-18
Y	US 6,005,185 A (TANGE) 21 December 1999 (21.12.1999), column 2, line 45 through column 3, line 50, and Figure 1.		1-7, 9-18
A	US 6,111,191 A (HALL et al) 29 August 2000 (29.08.2000).		1-18
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Further	documents are listed in the continuation of Box C.	See patent family annex.	
Special categories of cited documents: "T" tater document published after the internal		mational filing date or priority	
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
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Date of the actual completion of the international search 09 November 2004 (09.11.2004)		Date of mailing of the international search report 26 NOV 2004	
Name and mailing address of the ISA/US Authorized officer			
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Ale	J. BOX 1450 exandria, Virginia 22313-1450 o. (703) 305-3230	Telephone No. 571-272-1700	an see Ne a
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